pø Monday, 3/26/2007 3:18:50 PM Kim Johnston User: **Process Sheet** : DOUBLER **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 11471 **Estimate Number** : D3140101 **1)** [A 3/26/2007 Part Number P.O. Number S.O. No. : NA . D3140REV F **Drawing Number** This Issue : N/A Project Number Prsht Rev. : SMALL /MED FAB : F **Drawing Revision** First Issue : 27342 Material AIU: Previous Run Each : 4/30/2007 Qty: 4 Um: **Due Date** Written By Checked & Approved By NG : Est. New Issue Comment 06.04.18 New dwg rev. ecn781 EC Est. rev.C added scuffing NCR 061 EC Est Rev:D As per ECN #829 06-11-20 JLM **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: 2024-T3 .032 sheet M2024T3S032 1.0 Comment: Qty.: 0.0466 sf(s)/Unit Total: 0.1865 sf(s)2024-T3 .032 sheet Matl: 2024-T3 ( QQ-A-250/4 ) .032" thick (M2024T3S.032) 07/06/13 Batch M 102942 FLOW WATER JET WATER JET 2.0 Comment: FLOW WATER JET 1-Cut as per Dwg D3140 Dwg Rev:\_\_ Prog Rev:\_\_\_ 2-Deburr if necessary INSPECT PARTS AS THEY COME OFF MACHINE QC2 3.0 Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK 4.0 Comment: SECOND CHECK

Dart Ae	rospace l	Ltd		. %					
W/O:			W	ORK ORDER CHANG	GES				
DATE	STEP	PROCEDURE CHANGE				Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						:	s.		
				N					
Part No	:	PAR #:	Fault Cat	egory:	NCF	R: Yes ∕ĭ	√o) DQA: É	Date: _	07/07/06
						QA: N/	C Closed:	Date: _	· · · · · · · · · · · · · · · · · · ·
NCR:		. \	NORK ORE	DER NON-CONFORM	IANCE	(NCR)	)		
		Description of NC		Corrective Action Sec	ction B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section C	Chief Eng	QC Inspector

	1	Description of NC		Corrective Action Section B		Verification	Approval Chief Eng	Annroval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sign & Section C		Approval QC Inspector
						·		

NOTE: Date & initial all entries

Monday, 3/26/2007 3:18:50 PM Date:/ User: Kim Johnston **Process Sheet** Drawing Name: DOUBLER Customer: CU-DAR001 Dart Helicopters Services Part Number: D3140101 Job Number: 31464 Job Number: Description: Seq. #: Machine Or Operation: SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 5.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1-Scuff surfaces with 80grit sandpaper per QSI 006 2-Deburr. No sharp edges HAND FINISHING1 HAND FINISHING RESOURCE #1 6.0, Comment: HAND FINISHING RESOURCE #1 Julo Chemical Conversion Coat as per QSI 005 4.1 7.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE # 8.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 9.0 Comment: FINAL INSPECTION/W/O RELEASE U St. 07.26 Job Completion

## **Dart Aerospace Ltd**

W/O:		WORK ORDER CH	ANGES	·			
DATE	STEP	PROCEDURE CHANGE	By Da	Date Qty		Approval Chief Eng / Prod Mgr  Appr QC Ins	Approval QC Inspector
							-
							· ·
Part No	):	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:	

QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	A 1	<b>A</b> 1				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector				
							,					
ı												

NOTE: Date & initial all entries



RELEASED

06.11.13

 DESIG	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECK	(ED   APPROVED	DRAWING NO. REV. F
	THE MALK	D3140 SHEET 1 OF 7
DATE		TITLE SCALE
06.1	0.06	DOOR NTS
Α	02.04.18	NEW ISSUE
В	03.01.23	REMOVE -65/-81/-83; ADD -301/-303
С	04.11.08	CHANGE DELASTEK SPEC. TEC-77; ADD PART MARKING; ADD NOTES 11, 12, 13; CHANGE ANGLE -95/-97/-98 TO 106°
D	05.11.23	ADD -103/-104/-105/-106; REMOVE -67
E	06.06.09	1.75 WAS 1.88, 4.75 WAS 4.13 ON -08/-07, 1.00 WAS 1.20 ON -09/-10

ADD NOTE 14; CORRECT PART TITLE,

TROLLED COPY T TO AMENDMENT THOUT NOTICE ORK ORDER

				F		06.10.06	NOW D3140-09/-92/-104 SHOWN D3140-10/-91/-103 OPPOSITE
QTY	QTY	QTY	QTY	QTY	QTY		
-05	-06	-07	-08	-09	-10	PART NUMBER	DESCRIPTION
X						D3140-05	DOOR
	X					D3140-06	DOOR
		X				D3140-07	DOOR
		I	Х			D3140-08	DOOR
		1		Х		D3140-09	DOUBLER ASSEMBLY
			1		Х	D3140-10	DOUBLER ASSEMBLY
3	3	I				D3140-57	PAD
.1	1					D3140-59	PAD
2	2					D3140-61	PAD
2	2					D3140-63	PAD
		1	1			D3140-69	PAD
		1	1			D3140-71	PAD
•		1	1			D3140-73	PAD
		1	1			D3140-75	PAD
		1	1			D3140-77	PAD
		1	.1			D3140-79	PAD
				1	1	D3140-85	ANGLE
11	1					D3140-87	DOUBLER
				1	1	D3140-89	DOUBLER
		1				D3140-91	DOUBLER
			1			D3140-92	DOUBLER
3	3					D3140-95	DOUBLER
1						D3140-97	DOUBLER
	1					D3140-98	DOUBLER
		1	1			D3140-99	DOUBLER
		2	2			D3140-101	DOUBLER
		1				D3140-103	DOUBLER SHOP (OP)
			1			D3140-104	DOUBLER
		1				D3140-105	DOUBLER
			1			D3140-106	DOUBLER TO LLE
1	1					D3140-241	DOUBLER UN'CON TROLLE
1		_ · 1				D3140-301	DOUBLER SUBJECT TO AME.
	1		1			D3140-303	DOUBLER WITHOUT NO
							JORK ORI
				5	5	MS20426AD3-4	RIVET 3146

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DESIGN #	CB	1	OSPACE LTD ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO. D3140	REV. F SHEET 2 OF 7
DATE		TITLE	SCALE
06.10.06		DOOR	итѕ



COMPOSITE LAYUP & BONDING I.A.W. DELASTEK PROCESS SPEC. TEC-77 MATERIAL STORAGE & HANDLING TO BE I.A.W. DART QSI 006 MAIN LAYUP USES FIBERCOTE E-761/7781 EPOXY FIBERGLASS. FILL WITH EPOCAST 87269 OR MAGNOBOND 77 A & B AND MA560 FOAM/ NB-51/30 FOAM



FINISH: DUPONT HIGHBUILD GREY PRIMER 1144-S

MAKE PARTS IN ACCORDANCE WITH THE FOLLOWING TOOLS/MOLDS:

PART	TOOL
D3140-05	B30-23000-01T
D3140-06	B30-23000-02T
D3140-07	B30-23000-03T
D3140-08	B30-23000-04T
D3140-57	B30-23000-57T
D3140-61	B30-23000-61T
D3140-63	B30-23000-63T
D3140-69	B30-23000-69T
D3140-71	B30-23000-71T
D3140-73	B30-23000-73T
D3140-75	B30-23000-75T
D3140-77	B30-23000-77T
D3140-79	B30-23000-79T
D3140-89	D3140-89T1
D3140-301	D3140-301T1
D3140-303	D3140-303T1

ALL DIMENSIONS IN INCHES





MATERIAL: 2024-T3 (QQ-A-250/4) 0.032 THICK (M2024T3S.032) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.020 THICK (M2024T3S.020) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.040 THICK (M5052H32S.040) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: POLIMEX TR75 1" THICK 4.5 LB KLEGECELL





TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (M6061-T6S.063) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



DOUBLER TO SIT ON TOP OF FOAM AT THIS LOCATION



DOUBLER TO BE RECESSED FLUSH INTO FOAM AT THIS LOCATION



RUBBER STAMP WITH DART P/N D3140-05/-06/-07/-08 USING MIL-STD-130



PARTS MUST BE SCUFFED WITH 80 GRIT SANDPAPER PRIOR TO ACID ETCH AND ALODINE PER DART QSI 005 4.1



SHOP COPY

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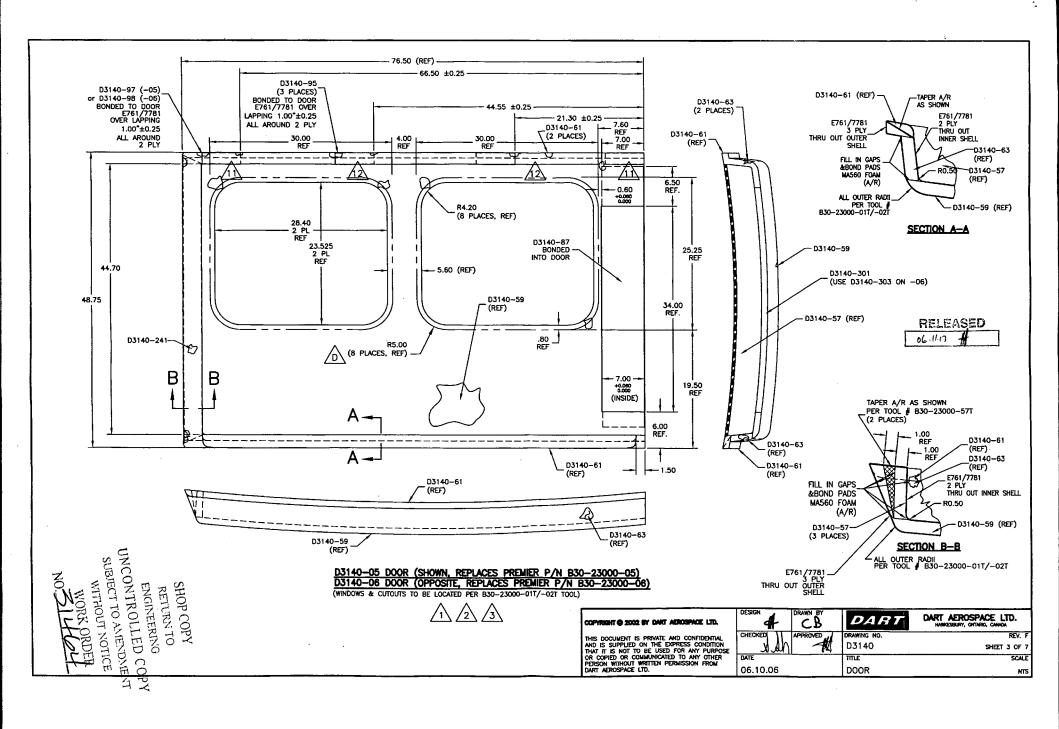
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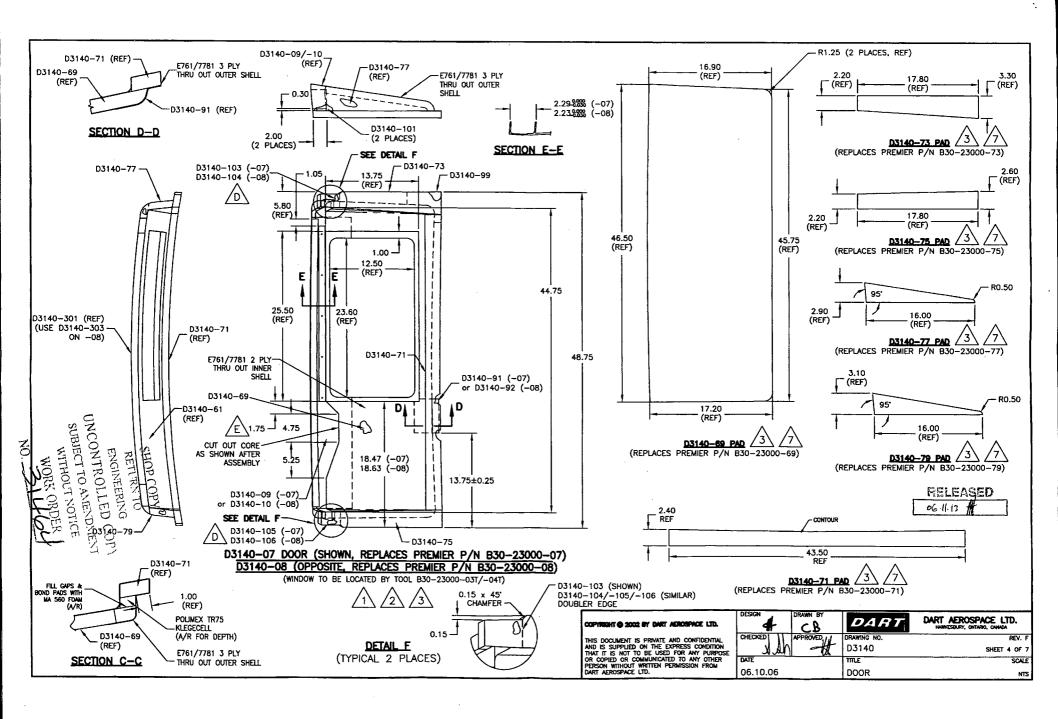
SUBJECT TO AMENDMENT

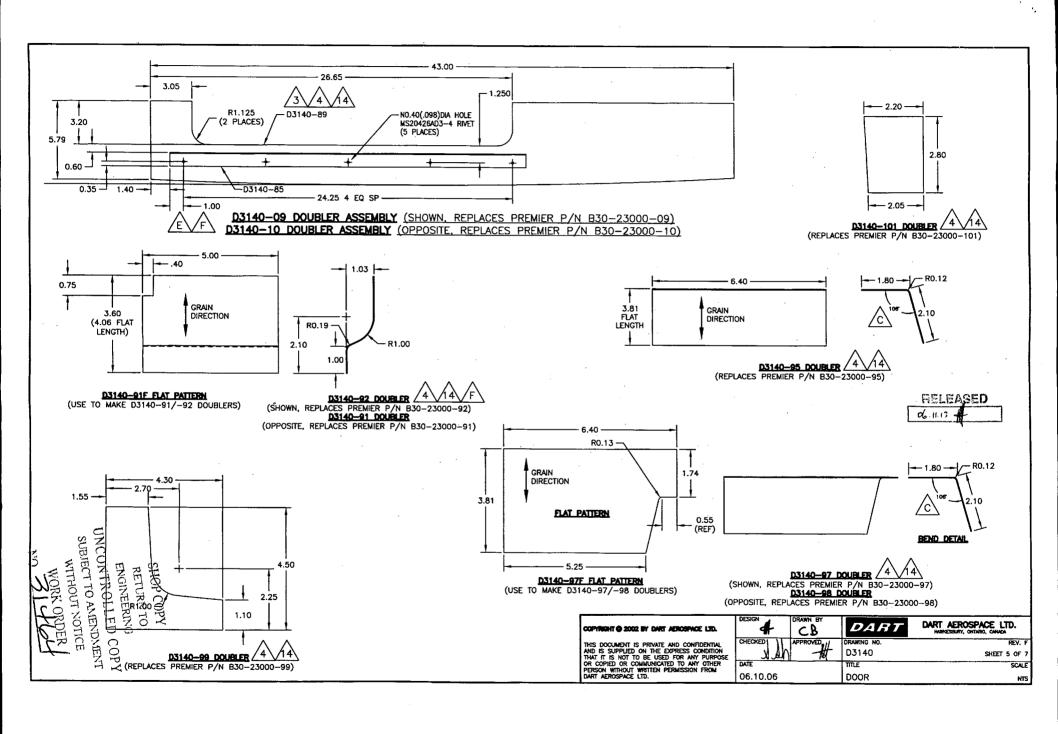
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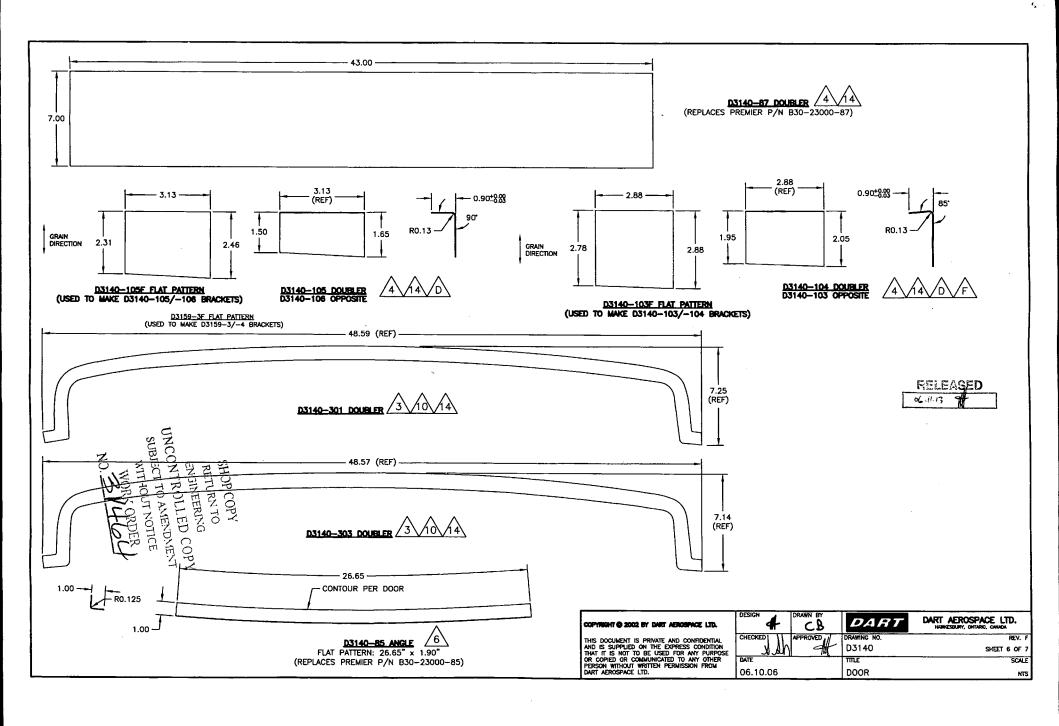
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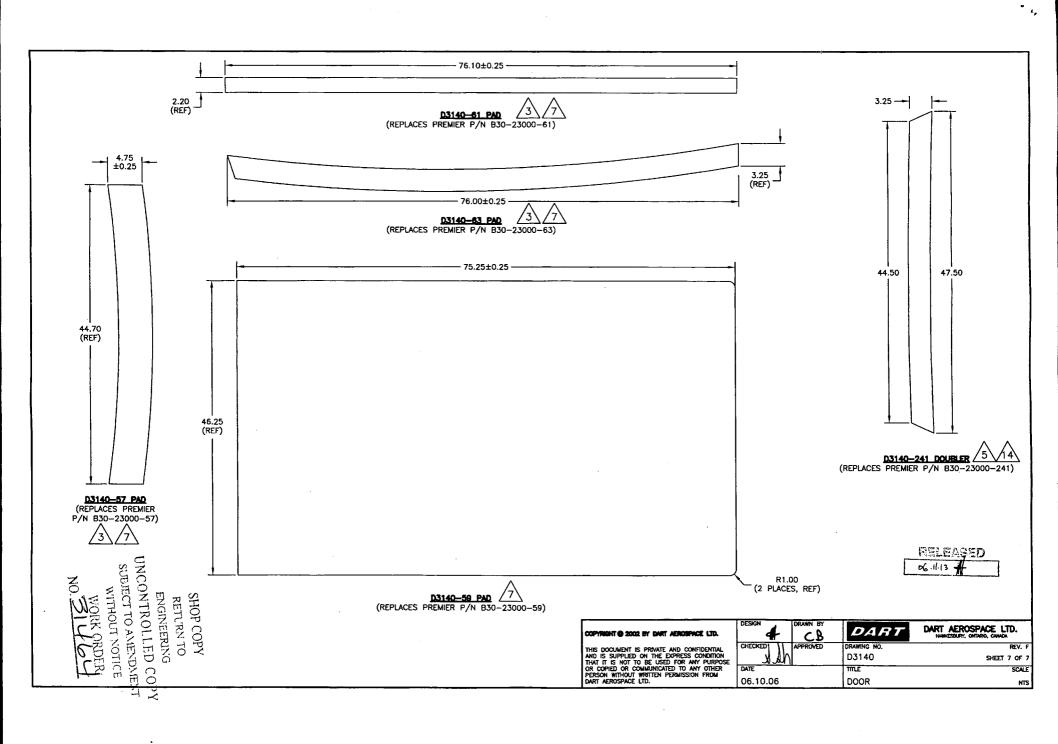
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DART AEROSPACE LTD	Work Order: 31464	
Description: Dochler	Part Number: 103140101	_
Inspection Dwg: D31470 Rev: C	Page 1 of 1	

## FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	Prototyp	е
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lns Orav	pection Sheet ving Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
А	220	1/2 0.030	2,198			Vern	
В	2,80	+/, 0,030	2 80			Vern	
С	2.05	+/-0.030	2.05	V		Vern	
D	0.032	4/-0.010	0,033			Vern	
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Measured by:	SAO	Audited by:	50	Prototype Approval:	N/A
Date:	07/06/13	Date:	04/06/18	Date:	N/A
Rev Date	Change			Revised by	Approved
	New Issue			KJ/RF	

